DOCUMENT RESUME

ED 285 725 SE 048 313

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TITLE Educational Software for Teaching Physics: Commercial Packages.
INSTITUTION North Carolina State Univ., Raleigh. Dept. of Physics.
PUB DATE May 87
NOTE 43p.
AVAILABLE FROM Physics Courseware Laboratory, Department of Physics, North Carolina State University, Raleigh, NC 27695-8202 ($6.00).
PUB TYPE Reference Materials - Directories/Catalogs (132) -- Collected Works - Serials (022)
JOURNAL CIT The Physics Teacher; May 1987

EDRS PRICE MF01 Plus Postage. PC Not Available from EDRS.
DESCRIPTORS Astronomy; *College Science; Computer Assisted Instruction; Computer Uses in Education; *Courseware; *Elementary School Science; Elementary Secondary Education; Higher Education; Measurement; Optics; *Physics; Science Education; *Science Instruction; Science Materials; *Secondary School Science; Thermodynamics

ABSTRACT

This document was developed to help teachers locate computer software to enhance the teaching of traditional physics at all educational levels. It contains a table listing approximately 900 packages. The table is organized by type of computer (Apple II, Atari, Commodore, IBM PC, Macintosh, and TRS-80) and is alphabetized first by publisher and then by title. The title used for the software is the most recent title from the publisher's catalog. The topics listed include the traditional subjects in physics as well as some on scientific thinking, mathematics topics used in teaching physics, and astronomy. The 14 major subjects included are: (1) astronomy; (2) electricity and magnetism; (3) general science; (4) mathematical physics; (5) measurement; (6) mechanics; (7) modern physics; (8) optics; (9) physics (multiple topics); (10) physics laboratory; (11) science (deductive reasoning and the scientific method); (12) thermodynamics; (13) waves; and (14) teacher utility packages. Many entries are also identified as to minor subjects addressed. The table also lists the appropriate grade level for the package, program type (intended use, e.g., tutorial, simulation, game), and cost. (TW)

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During the past several years a large number of educational software packages have become available for physics teachers to use in their classrooms. The use of computers to enhance teaching of traditional physics topics offers many exciting possibilities. Concrete simulations coupled with interactive tutorials and problem solving add a new dimension to the understanding of traditional subjects. The widespread use of microcomputers in high schools and university campuses provide new opportunities for increased learning and experimentation with new teaching and evaluation techniques.

After a cursory survey of the market, however, a physics teacher will quickly realize that there are hundreds of possible programs to choose from, offered by dozens of publishers. To help assess the status of all these offerings, the Physics Courseware Laboratory at NCSU has been compiling a database of available commercial packages for the past few years. The data base consists of the title and publisher for each package, according to the kind of microcomputer on which it will run. Included are the major and minor subject areas, the appropriate instructional level, and the intended usage or type of program.

Listed in the table are approximately 900 packages. The table is organized by computer and then is alphabetized first by publisher and then by title. Some of the different packages are virtually the same since they can run on several different types of microcomputers. The only difference may be in the resolution of the screen display and the operating speed of the microprocessor. Because most physics teachers have only one type of microcomputer available for their class (if, in fact, they have any at all!), the list is organized by the type of computer. The Apple II is, by far, the most common microcomputer in the public high schools. The IBM PC is now available in some high schools, as well as in the universities. There are certain kinds of computers that are compatible with the IBM PC, but the degree of compatibility of software and hardware is hard to determine. For instance, the Tandy 1000, a popular educational microcomputer from Radio Shack, runs perhaps as much as 80% of the educational programs written for the IBM PC. Teachers will have to experiment with the courseware package in which they are interested, to see if their IBM-PC compatible microcomputer will run it. It is also possible to run some programs for one type of computer on another type using an additional interface board, such as the Quadlink board by Quadram for the IBM PC and the Trackstar board by Diamond Computer Systems for the Tandy 1000, which will allow these microcomputers to run software written for the Apple II, using DOS 3.3.

The headings for the table are defined as follows.

Computer. Listed in the first column of the table are the major microcomputers used in education at present: Apple II, Atari, Commodore 64, Commodore Pet, IBM PC, Macintosh, TRS-80, and TRS-80 Color microcomputers. The titles appearing in the 3rd column require the microcomputer listed in the first column.

Publisher. In most cases, the publisher of the package has been listed. However, if the publisher is not known or the address of the publisher is not known, a distributor is listed. A list of addresses and telephone numbers of the publishers and distributors is provided at the end of the table.

Title. The title chosen is the most recent title from the publisher's catalog. Titles of courseware packages are not as permanent as those for books. The title can vary from that written in the manual to that printed on the diskette or the title listed in the sales catalog by the publisher. It may also be different from year to year. Only courseware packages that are still available for purchase are included in the table.

Major and Minor Subjects. Listed in the table are courseware packages that cover subjects of special interest to physics teachers. The topics include all the traditional subjects in physics as well as scientific thinking, mathematics topics used in teaching physics, astronomy, and teacher utilities.

Fig. 1 lists the major subject areas subdivided into minor subject areas. These subject categories were chosen to correspond to the usual topics taught at a high school or at the lower division level in a university.

Some courseware packages include several topics in physics, some even cover a whole course. If there is a predominant subject, the software package has been categorized under that subject heading. Otherwise, the package is listed as "Physics." If a package includes nonphysics subjects as well as physics, it is listed as General.

When a software package also includes hardware for interfacing, so that the microcomputer can be used to measure quantities such as light intensity, temperature, sound frequency, or voltage, it is listed as a "Physics Lab." A minor subject is given when the package is concerned primarily with a subtopic. If several subtopics are covered, such as electric fields and electric charge, only the major subject, "Electricity and Magnetism," is listed.

Level. The instructional level of a software package is determined by the topics and depth of the coverage. Many packages are aimed at several grade levels. The level listed is the lowest grade for which the software is appropriate. Level EL is for elementary, JRH for junior high school or middle school, HS for high school,

UNIV-LD for lower division classes at a university, and UNIV-UD for upper division or graduate classes at a university. Many packages have excellent simulations that may be used for a wide range of instructional levels, depending on how the teacher uses and emphasizes the material. You should not discount a software program just because the instructional level appears to be too low.

Type. Type refers to the intended use of the courseware. Programs for individual or small-group use, which provide information on a topic or show how to solve a problem, are listed as a "Tutorial." Courseware that provides a demonstration or simulation to enhance a teacher's lecture is listed as a "Demo." Programs that help either a student or teacher perform arduous tasks such as vector addition problems with up to 20 vectors, graphing up to 100 pairs of data points, or keep homework, quiz, and test grades and calculate final grades are listed as a "Tool." Software which gives a simulation of a laboratory experiment, provides a prelab lesson in reading scales, calculates a histogram of all of the data taken by the class, or converts the microcomputer into a laboratory measuring instrument is referred to as a "Lab." Some software packages contain quizzes or tests in which the questions may be printed or delivered directly to the student by computer. Testing programs may provide hints, diagnostics, and answers or only questions. Such programs are listed as a "Test." A "Game" is a program that is concerned with physics principles in which the student can "win" if he has a superior understanding of physics. Some programs have lots of action like arcade-style games, while others are just a simple competition.

Cost. The price listed for the software package is for one copy. Often there is a discount if more than one set is ordered. Various backup policies exist for archival copies. Most software is copy protected, but many publishers replace damaged diskettes at little or no charge. In purchasing courseware it may be useful to place an order through a distributor like Cambridge Development Laboratory, Carolina Biological Supply, Fisher Scientific, and Projected Learning Programs. Their catalogs contain helpful descriptions of the programs. Often publishers and distributors allow you to review software before purchasing it. Addresses and telephone numbers of the distributors are listed at the end of the table.

The Physics Courseware Laboratory is preparing a directory of commercial physics courseware for publication. The directory will include all the categories of this listing as well as a description of each package, indexes arranged by subject and level, and a list of references to published reviews of commercial physics courseware.

This work was supported in part by a grant no. MDR 84-70450 from the National Science Foundation.□

Subjects

- Astronomy
- Electricity and Magnetism
  - Electric Charge
  - Electric Circuits
  - Electric Fields
  - Electric Potential
  - Electromagnetism
  - Faraday's Law
  - Magnetic Fields
- General Science
- Mathematical Physics
  - Data Analysis
  - Graphing
  - Vectors
- Measurement
  - Measuring Instruments
  - Significant Figures
  - Units and Dimensions
- Mechanics
  - Center of Mass
  - Circular Motion
  - Collisions
  - Conservation Laws
  - Dynamics
  - Fluid Mechanics
  - Harmonic Motion
  - Kinematics
  - Orbital Motion
  - Projectile Motion
  - Rotation
  - Statics
  - Work
- Modern Physics
  - Atomic Physics
  - Molecular Physics
  - Nuclear Physics
  - Particle Physics
  - Quantum Mechanics
  - Radioactivity
  - Relativity
- Optics
  - Geometrical Optics
  - Wave Optics
- Physics (multiple topics)
- Physics Lab
  - Heat
  - Light
  - Mechanics
  - Sound
- Science
  - Deductive Reasoning
  - Scientific Method
- Teacher Utility
  - Authoring System
  - Gradebook
- Thermodynamics
  - Calorimetry
  - First Law
  - Kinetic Theory of Gases
  - Second Law
  - Gas Laws
- Waves
  - Fourier Analysis
  - Sound
  - Standing Waves
  - Superposition

Fig. 1. Major and minor subject categories.

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	AAPT	Apple Game Port Interfacing Workshop	Physics Lab		HS	Tutorial	$20.00
	Academic Hallmarks	Knowledge Master - Astronomy	Astronomy		JRH	Test	$27.00
		Knowledge Master - Physics #1	Physics		JRH	Test	$27.00
		Knowledge Master - Physics #2	Physics		JRH	Test	$27.00
		Knowledge Master - Utility Disk	Teacher Utility	Authoring System	JRH	Test	$35.00
	Academic Press, Inc.	Instructional Software for University Physics: Disk 1	Mechanics		UNIV-LD	Tutorial	$21.60
		Instructional Software for University Physics: Disk 2	Physics		UNIV-LD	Tutorial	$21.60
		Instructional Software for University Physics: Disk 3	Electricity and Magnetism		UNIV-LD	Tutorial	$21.60
	Addison-Wesley Publishing Co.	Computer-Based Instructions for College Physics: Disk 1	Mechanics		HS	Tutorial	$20.00
		Computer-Based Instructions for College Physics: Disk 2	Physics		HS	Tutorial	$20.00
		Computer-Based Instructions for College Physics: Disk 3	Electricity and Magnetism		HS	Tutorial	$20.00
		Computer-Based Instructions for University Physics: Disk 1	Mechanics		UNIV-LD	Tutorial	$20.00
		Computer-Based Instructions for University Physics: Disk 2	Physics		UNIV-LD	Tutorial	$20.00
		Computer-Based Instructions for University Physics: Disk 3	Electricity and Magnetism		UNIV-LD	Tutorial	$20.00
		Personal Problems: Part I-Mechanics	Mechanics		UNIV-LD	Tool	$175.00
		The Calculus Toolkit	Mathematical Physics	Graphing	UNIV-LD	Tutorial	$200.00
	Albion	Chemistry Simulations I - Gas Laws	Thermodynamics	Gas Laws	HS	Demo	$39.95
		Exponential and Logarithmic Functions	Mathematical Physics	Graphing	HS	Tutorial	$34.95
		Hydrogen Spectrum	Modern Physics	Atomic Physics	HS	Demo	$34.95
		Lenses	Optics	Geometrical Optics	HS	Demo	$34.95
		Mass Spectrometer	Modern Physics		HS	Demo	$49.95
		Physics Demonstration Programs	Physics		HS	Demo	$49.95
		Physics Simulations Package I - Acoustics	Waves	Sound	HS	Tutorial	$39.95
		Physics Simulations Package I - Capacitor Discharge	Electricity and Magnetism		HS	Demo	$39.95
		Physics Simulations Package I - Collisions	Mechanics	Collisions	HS	Tutorial	$39.95
		Physics Simulations Package I - Gaseous Diffision	Thermodynamics		HS	Demo	$39.95
		Physics Simulations Package I - Gravitational Fields	Mechanics	Orbital Motion	HS	Demo	$39.95
		Physics Simulations Package I - Longitudinal Waves	Waves		HS	Demo	$39.95
		Physics Simulations Package I - Momentum	Mechanics		HS	Tutorial	$39.95
		Physics Simulations Package I - Photoelectric Effect	Modern Physics	Quantum Mechanics	HS	Tutorial	$39.95
		Physics Simulations Package I - Planetary Motion	Mechanics	Orbital Motion	HS	Demo	$39.95
		Physics Simulations Package I - Radioactive Decay	Modern Physics	Radioactivity	HS	Demo	$39.95
		Physics Simulations Package II - Scales	Measurement	Measuring Instruments	HS	Tutorial	$39.95
		Physics Simulations Package II - Transverse Waves	Waves		JRH	Demo	$39.95

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	Albion	Physics Simulations Package II - Young's Slits	Optics	Wave Optics	HS	Demo	$39.95
		Radioactive Decay	Modern Physics	Radioactivity	HS	Demo	$34.95
		The Zartman Experiment	Thermodynamics	Kinetic Theory of Gases	HS	Demo	$34.95
		Vectors	Mathematical Physics	Vectors	HS	Tutorial	$34.95
	Allyn and Bacon	Phys. Software Lib. Disk 1: Physical Quantities and Measurement	Measurement		UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 2: Vector Quantities	Mathematical Physics	Vectors	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 3: Forces	Mechanics	Dynamics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 4: Torques	Mechanics	Torque	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 5: Static Equilibrium	Mechanics	Statics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 6: Systems in Motion - Linear	Mechanics	Kinematics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 7: Newton's Laws of Motion	Mechanics	Dynamics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 8: Momentum - Linear	Mechanics	Dynamics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 9: Work and Energy	Mechanics	Work	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 10: Rotational Motion	Mechanics	Rotation	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 11: Rotational Dynamics	Mechanics	Rotation	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 12: Oscillatory Motion (through FDSHO)	Mechanics	Harmonic Motion	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 13: Wave Motion	Waves		UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 14: Acoustics	Waves	Sound	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 15: Continuum Mechanics - Statistics	Mechanics	Fluid Mechanics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 16: Continuum Mechanics - Dynamics	Mechanics	Fluid Mechanics	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 17: Thermodynamics - First Law	Thermodynamics	First Law	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 18: Kinetic Theory (Ideal Gases)	Thermodynamics	Kinetic Theory of Gases	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 19: Macro-Properties of Thermal Systems	Thermodynamics		UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 20: Thermodynamics - Second Law	Thermodynamics	Second Law	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 21: Thermal Properties of the Atmosphere	Thermodynamics		UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 22: Gravitation	Mechanics	Orbital Motion	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 23: Electrical Charges at Rest (Coulomb's Law)	Electricity and Magnetism	Electric Charge	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 24: Electrostatic Fields	Electricity and Magnetism	Electric Fields	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 25: Electrostatic Potential	Electricity and Magnetism	Electric Potential	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 26: Electric Current (DC) and Resistance	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 27: Electromotive Forces (EMF) and Electric Circuits	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 28: Capacitors and Dielectrics	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 29: Magnetic Fields (External Current Effects)	Electricity and Magnetism	Magnetic Fields	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 30: Magnetic Fields (Contribution of the Physical Medium)	Electricity and Magnetism	Magnetic Fields	UNIV-LD	Tutorial	$35.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	Allyn and Bacon	Phys. Software Lib. Disk 31: Faraday's Law and Inductance	Electricity and Magnetism	Faraday's Law	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 32: Alternating Currents	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$35.00
		Phys. Software Lib. Disk 33: Alternating Current Series Circuits (L,C,&R)	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$35.00
	Bergwall Educational Software, Inc.	Basic Electricity and Electronics: Direct Current	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$399.00
	Bit Byte Bit Software	Word Wizard/Test Writer	Teacher Utility	Authoring System	ALL	Tool	$19.00
	Broderbund Software, Inc.	Fantavision	Teacher Utility		ALL	Tool	$49.95
		Science Toolkit - Master Module, School Edition	Physics Lab		JRH	Lab	$89.95
		Science Toolkit Module 1: Speed and Motion	Physics Lab	Mechanics	JRH	Lab	$39.95
	Cambridge Development Laboratory	Collisions on an Air Track	Mechanics	Collisions	HS	Tutorial	$59.95
		Experiment Interface	Physics Lab		HS	Lab	$549.95
		Gas Law Simulations	Thermodynamics		HS	Demo	$99.95
		General Physics 1A-Knowledge Base Series	Physics		HS	Test	$399.95
		Kinetic Molecular Theory	Thermodynamics	Kinetic Theory of Gases	HS	Demo	$99.95
		Mass Spring	Mechanics	Harmonic Motion	HS	Tutorial	$53.95
		Math Skills for Science	Measurement		HS	Tutorial	$44.95
		Mentor Master	Teacher Utility	Authoring System	ALL	Tool	$48.95
		Science Trivia Challenge	Science		EL	Game	$22.95
		Temp Temperature Grapher - Updated	Thermodynamics		JRH	Tool	$59.95
		Yellow Light Problem	Mechanics	Kinematics	HS	Tutorial	$60.00
	Career Aids, Inc.	Astronomy: Stars for All Seasons	Astronomy		HS	Demo	$59.95
	CBS Software	Graphing Linear Functions	Mathematical Physics	Graphing	JRH	Tutorial	$34.95
	CET Research Group	French Curve	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$95.00
	COMPress	A Tutorial On Motion	Mechanics	Kinematics	HS	Tutorial	$50.00
		Cases: Multidiscipline Problem-Solving	Science	Scientific Method	HS	Tutorial	$60.00
		World Clock	Astronomy		JRH	Demo	$50.00
	Conduit	Animation Demonstration	Waves		HS	Demo	$25.00
		Arbplot	Mathematical Physics	Graphing	JRH	Demo	$125.00
		Baffles	Science	Scientific Method	JRH	Game	$50.00
		Chem Lab Simulation #2	Thermodynamics	Kinetic Theory of Gases	HS	Demo	$80.00
		Descriptive Statistics	Mathematical Physics	Data Analysis	HS	Tutorial	$75.00
		DrillMaker	Teacher Utility	Authoring System	ALL	Tool	$75.00
		Exploratory Data Analysis	Mathematical Physics	Data Analysis	UNIV-LD	Tutorial	$165.00
		Graphing Equations	Mathematical Physics	Graphing	HS	Tutorial	$45.00
		Group Velocity	Waves	Superposition	UNIV-UD	Tutorial	$60.00

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Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	Conduit	INTERP: Wave Superposition	Waves	Superposition	HS	Tutorial	$45.00
		Interpreting Graphs	Mathematical Physics	Graphing	JRH	Tutorial	$45.00
		Introductory Mechanics	Mechanics	Dynamics	HS	Tutorial	$55.00
		NEWTON: Satellite Orbits	Mechanics	Orbital Motion	HS	Demo	$45.00
		Ray Tracing	Optics	Geometrical Optics	HS	Tutorial	$75.00
		SCATTER: Nuclear Scattering	Modern Physics	Nuclear Physics	HS	Tutorial	$45.00
		Standing Waves	Waves	Standing Waves	HS	Demo	$75.00
		Tribbles	Science	Scientific Method	HS	Tutorial	$40.00
	Control Data Publishing Company, Inc.	Physics: Elementary Mechanics	Mechanics		HS	Tutorial	$39.95
	Creative Technology, Inc.	Light Lab	Physics Lab		JRH	Lab	$50.00
		Temperature Lab	Physics Lab	Thermodynamics	JRH	Lab	$70.00
	Cross Educational Software	Create-A-Test	Teacher Utility	Authoring System	ALL	Test	$89.95
		Create-A-Test Question Files - Physics 671	Physics		HS	Test	$49.95
		Create-A-Test Question Files - Physics 672	Physics		HS	Test	$49.95
		Create-A-Test Question Files - Physics 673	Physics		HS	Test	$49.95
		Create-A-Test Question Files - Physics 704	Physics		HS	Test	$49.95
		General Physics Series Volume 1 - Vectors and Graphing	Mathematical Physics	Vectors	HS	Tutorial	$15.00
		General Physics Series Volume 2 - Statics	Mechanics	Statics	HS	Tutorial	$20.00
		General Physics Series Volume 3 - Motion	Mechanics	Dynamics	HS	Tutorial	$20.00
		General Physics Series Volume 4 - Conservation Laws	Mechanics	Collisions	HS	Tutorial	$20.00
		General Physics Series Volume 5 - Circular Motion	Mechanics	Circular Motion	HS	Tutorial	$20.00
		General Physics Series Volume 6 - Thermodynamics	Thermodynamics		UNIV-LD	Tutorial	$20.00
		General Physics Series Volume 7 - Electricity and Magnetism	Electricity and Magnetism		UNIV-LD	Tutorial	$20.00
		General Physics Series Volume 8 - Optics	Optics	Geometrical Optics	HS	Tutorial	$20.00
		General Physics Series Volume 9 - Atomic Physics	Modern Physics	Atomic Physics	HS	Tutorial	$30.00
		General Physics Series Volume 10 - Solar System Astronomy	Astronomy		JRH	Tutorial	$30.00
		General Physics Series Volume 11 - Stellar Astronomy	Astronomy		JRH	Demo	$30.00
		General Physics Series Volume 12 - Physics Gems	Physics		HS	Tutorial	$35.00
		Heat (Physics Lab)	Physics Lab	Thermodynamics	JRH	Lab	$60.00
		Light (Physics Lab)	Physics Lab		HS	Lab	$60.00
		Sound (Physics Lab)	Physics Lab	Sound	HS	Lab	$60.00
	Cygnus Software	Characteristics of a Scientist	Science	Scientific Method	JRH	Tutorial	$39.00
		Metric System Tutor	Measurement	Units and Dimensions	JRH	Tutorial	$66.00
		The Scientific Method	Science	Scientific Method	JRH	Tutorial	$39.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	D.A.W.N. Software Engineering	Data Crusher	Mathematical Physics	Graphing	HS	Tool	$79.95
	D.C. Heath	Data Analysis	Mathematical Physics	Data Analysis	JRH	Tutorial	$81.00
		Electricity and Magnetism	Electricity and Magnetism		EL	Game	$66.00
		Exploring Heat Through Lessons and Labs	Physics Lab	Thermodynamics	EL	Lab	$150.00
		Exploring Matter Through Lessons and Labs	Physics Lab	Heat	EL	Lab	$150.00
		Heat Energy	Thermodynamics		EL	Game	$66.00
		Machines and Force	Mechanics		EL	Tutorial	$66.00
		Nuclear Reactions	Modern Physics	Nuclear Physics	JRH	Lab	$75.00
		Super Math Package	Mathematical Physics	Graphing	HS	Demo	$187.50
		Traveling Through the Solar System	Astronomy		EL	Game	$66.00
	Digipac	Graphical Analysis	Mathematical Physics	Graphing	HS	Tool	$29.95
		Molecular Motion	Thermodynamics	Kinetic Theory of Gases	HS	Demo	$23.95
		The Gradebook	Teacher Utility	Gradebook	ALL	Tool	$23.95
		The Temperature Gauge	Physics Lab	Heat	JHS	Lab	$60.00
		The Time Machine	Physics Lab	Mechanics	HS	Lab	$49.95
	Dorsett Educational Systems, Inc.	Basic Electricity	Electricity and Magnetism		HS	Tutorial	$59.90
		Industrial Solid State Electronics	Electricity and Magnetism		HS	Tutorial	$59.90
		Physics	Physics		HS	Tutorial	$59.90
	Earthware Computer Services	Star Search	Astronomy		JRH	Game	$45.00
	Educational Courseware	Astronomy I - Introductions	Astronomy		JRH	Demo	$36.00
		Astronomy II - Constellations	Astronomy		JRH	Tutorial	$36.00
		Free Fall	Mechanics	Kinematics	HS	Tutorial	$36.00
		Lab Plots	Mathematical Physics	Graphing	HS	Tutorial	$36.00
		Waves and Optics	Optics	Wave Optics	HS	Tutorial	$36.00
	Educational Images Ltd.	Descriptive Statistics	Mathematical Physics	Data Analysis	UNIV-LD	Tutorial	$70.00
		Developer - The Question Writer	Teacher Utility	Authoring System	ALL	Tool	$125.00
		Exploratory Data Analysis	Mathematical Physics	Graphing	UNIV-LD	Tool	$165.00
		Inference and Prediction	Science	Scientific Method	JRH	Tutorial	$45.00
		Physical Science Series I: Physical Science Activities	Measurement		JRH	Lab	$150.00
		Physical Science Series II: Histogram Generation & Analysis	Measurement		JRH	Lab	$100.00
		Star Gazer's Guide	Astronomy		HS	Demo	$35.00
		The Physical Sciences	Physics		JRH	Tutorial	$75.00
		The Planetary Guide	Astronomy		HS	Demo	$35.00
		Vibrations of Bent Triatomic Molecules	Modern Physics	Molecular Physics	UNIV-LD	Demo	$39.95

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	Educational Materials & Equipment Co.	Advanced Electricity	Electricity and Magnetism		UNIV-LD	Tutorial	$40.00
		Air Pollution	Science		HS	Tutorial	$37.00
		Calorimetry and Thermodynamics	Thermodynamics		HS	Tutorial	$39.00
		Collisions/Harmonic Motion	Mechanics	Collisions	HS	Tutorial	$40.00
		Complex Circuits	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$40.00
		Conservation of Energy and Momentum	Mechanics	Conservation Laws	HS	Tutorial	$42.00
		Density/Rutherford Atom	Measurement		JRH	Tutorial	$40.00
		Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$103.50
		Light Waves (Young's Experiment)	Optics	Wave Optics	HS	Demo	$55.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$40.00
		Projectile and Circular Motion	Mechanics	Kinematics	HS	Tutorial	$40.00
		Statics and Dynamics	Mechanics		HS	Tutorial	$40.00
		Vectors and Scalars	Mathematical Physics	Vectors	HS	Tutorial	$45.00
	Educator Software	Class Records	Teacher Utility	Gradebook	ALL	Tool	$39.95
		Color Perception	Optics	Wave Optics	EL	Demo	$24.95
		Elementary Wave Simulations	Waves		JRH	Demo	$19.95
	EduSoft	GradeBook Deluxe	Teacher Utility	Gradebook	ALL	Tool	$59.95
		Superplot	Mathematical Physics	Graphing	JRH	Tool	$49.95
		Test It! Test Authoring System	Teacher Utility	Authoring System	ALL	Tool	$49.95
	EduTech	Astro Lab: Planetary Orbits	Mechanics	Orbital Motion	HS	Demo	$75.00
		Astro Lab: Three-Body Orbits	Mechanics	Orbital Motion	HS	Demo	$75.00
		CompTrol Lab: Data Analysis	Mathematical Physics	Graphing	JRH	Tool	$35.00
		CompTrol Lab: Mechanics Set	Physics Lab	Mechanics	HS	Lab	$285.00
		CompTrol Lab: Temperature	Physics Lab	Thermodynamics	HS	Lab	$195.00
		Fourier Analysis I	Waves	Fourier Analysis	UNIV-LD	Demo	$55.00
		Fourier Analysis II	Waves	Fourier Analysis	UNIV-LD	Tool	$55.00
		Graphs	Mathematical Physics	Graphing	JRH	Tutorial	$35.00
		Physical Science Experiments	Measurement		JRH	Lab	$150.00
		Physics CompuLab: Electric Field	Electricity and Magnetism	Electric Fields	HS	Demo	$75.00
		Physics CompuLab: Nonconstant Acceleration	Mechanics	Kinematics	UNIV-LD	Tutorial	$75.00
		Physics CompuLab: Parabolic Motion	Mechanics	Projectile Motion	HS	Tutorial	$75.00
		Physics CompuLab: Planetary Motion	Mechanics	Orbital Motion	HS	Tutorial	$75.00
		Physics CompuLab: Statistics	Mathematical Physics	Data Analysis	HS	Tutorial	$75.00
		Physics CompuLab: Wave Motion	Waves	Superposition	HS	Tutorial	$75.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	EduTech	Physics Demos: Advanced Physics	Physics		UNIV-LD	Demo	$60.00
		Physics Demos: Mechanics	Mechanics	Dynamics	HS	Demo	$60.00
		Physics Demos: Optics	Optics	Geometrical Optics	HS	Demo	$60.00
		Physics Demos: Optics-Waves-Electricity	Physics		HS	Demo	$60.00
		Physics Interact: Oil Drop	Electricity and Magnetism	Electric Charge	HS	Tutorial	$75.00
		Physics Interact: Space Station	Mechanics	Dynamics	HS	Tutorial	$75.00
		Physics Interact: Target	Mechanics	Projectile Motion	HS	Game	$75.00
		Physics Interact: Vector	Mathematical Physics	Vectors	HS	Tutorial	$75.00
		Schrodinger Equation	Modern Physics	Quantum Mechanics	UNIV-UD	Demo	$75.00
		Science Skills Development Programs	Measurement		JRH	Tutorial	$35.00
	EduWare Services, Inc.	Rendezvous	Mechanics	Orbital Motion	JRH	Game	$39.95
		Tranquility Base	Mechanics	Orbital Motion	JRH	Game	$39.95
	Estes Industries	Flight: Aerodynamics of Model Rockets	Mechanics		JRH	Tutorial	$44.95
		In Search of Space: Introduction to Model Rocketry	Mechanics		JRH	Tutorial	$24.95
	Focus Media, Inc.	Astronomy Keyword	Astronomy		JRH	Game	$39.00
		Atoms & Matter	Modern Physics	Atomic Physics	HS	Tutorial	$99.00
		Chemistry Simulation Series	Modern Physics		HS	Demo	$159.00
		Datagraph II	Mathematical Physics	Graphing	HS	Tutorial	$39.00
		Discovering the Scientific Method	Science	Scientific Method	JRH	Tutorial	$49.00
		Electricity & Magnetism	Electricity and Magnetism		HS	Tutorial	$79.00
		Energy	Physics		JRH	Tutorial	$69.00
		Heat and Temperature	Thermodynamics	Kinetic Theory of Gases	HS	Demo	$99.00
		Introduction to Matter and Energy	Physics		HS	Tutorial	$159.00
		Measurements: Length, Mass and Volume	Measurement	Measuring Instruments	JRH	Tutorial	$59.00
		Motion and Energy	Mechanics	Kinematics	JRH	Demo	$117.00
		Nonlinear Motion	Mechanics	Kinematics	HS	Demo	$89.00
		Optics and Light	Optics	Geometrical Optics	HS	Demo	$79.00
		Optics on Computer	Optics	Geometrical Optics	JRH	Demo	$59.00
		Physical Science Keyword	Physics		JRH	Game	$59.00
		Planetarium on Computer: The Solar System	Astronomy		JRH	Demo	$69.00
		The Great Physical Science Knowledge Race	Physics		JRH	Game	$79.00
		Uncertainties	Measurement	Measuring Instruments	HS	Tutorial	$29.00
		Vectors and Linear Motion	Mechanics	Dynamics	HS	Demo	$99.00
		Vibration and Wave Motion	Waves		HS	Demo	$99.00

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Apple II	Focus Media, Inc.	Your Universe	Astronomy		EL	Tutorial	$99.00
	GRSOFTWARE	Quantum Mechanics	Modern Physics	Quantum Mechanics	UNIV-UD	Demo	$35.00
	High Technology Software Products, Inc.	Charged Particle Workshop	Electricity and Magnetism	Electric Charge	HS	Demo	$75.00
		Harmonic Motion Workshop	Mechanics	Harmonic Motion	HS	Demo	$75.00
		Lab Statistics Package	Mathematical Physics	Data Analysis	UNIV-LD	Tutorial	$50.00
		Projectile Motion Workshop	Mechanics	Projectile Motion	HS	Demo	$75.00
		Standing Wave Workshop	Waves	Standing Waves	HS	Demo	$75.00
	Hobar Publications	Gear & Pinion Calculations	Mechanics		JRH	Tutorial	$49.50
		Ohms Law, Series & Parallel	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$29.50
		Vectors	Mathematical Physics	Vectors	HS	Tutorial	$19.50
	Holt, Rinehart and Winston	Bank Street Laboratory	Physics Lab		JRH	Lab	$370.50
	HRM Software	Energy Conversions	Measurement	Units and Dimensions	HS	Tool	$35.00
		Experiments in Science	Physics		HS	Lab	$259.00
		Glidepath	Mechanics	Dynamics	JRH	Tutorial	$59.00
		Mathgrapher: A Computer Graphing Utility	Mathematical Physics	Graphing	JRH	Tool	$69.00
		Optics: Mirrors and Beams	Optics	Geometrical Optics	HS	Tutorial	$75.00
		Temperature Grapher	Physics Lab	Thermodynamics	JRH	Lab	$79.00
	IC-REF	Apple Eyes	Physics Lab	Mechanics	HS	Lab	$50.00
		Science Simulations	Physics		HS	Demo	$50.00
		Take a Drive	Mechanics	Kinematics	HS	Demo	$50.00
	Indian Head Software	Vector Sum	Mathematical Physics	Vectors	JRH	Tool	$20.85
	Intellectual Software	Analytical Reasoning	Science		HS	Tutorial	$65.00
		Celestial Simulation	Astonomy		JRH	Demo	$24.95
		Exploring Science I - Stars and Planets	Astronomy		EL	Tutorial	$24.95
		Exploring Science II- Electricity	Physics		JRH	Tutorial	$24.95
		Exploring Science II- Elementary Physics	Physics		EL	Tutorial	$24.95
		Graphing is Fun!	Mathematical Physics	Graphing	JRH	Tutorial	$55.00
		Graphs of Lines and Hyperbola	Mathematical Physics	Graphing	HS	Tutorial	$39.95
		Linear Function and Graph I	Mathematical Physics	Graphing	HS	Tutorial	$39.95
		Linear Function and Graph II	Mathematical Physics	Graphing	HS	Tutorial	$39.95
		Physics 1	Physics		HS	Tutorial	$79.95
		Physics Test 1	Mechanics		HS	Test	$29.95
		Physics Test 2	Physics		HS	Test	$29.95
		Rounding and Estimation	Measurement		JRH	Tutorial	$29.95

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Apple II	Intellectual Software	Scientific Notation	Measurement		JRH	Tutorial	$29.95
		Secondary Science Programs	Physics		HS	Demo	$29.95
	Interactive Microware	ADALAB	Physics Lab		HS	Lab	$495.00
		Curve Fitter	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$35.00
		Lab Data Manager	Physics Lab		UNIV-LD	Lab	$250.00
		Scientific Plotter, Version II	Mathematical Physics	Graphing	HS	Tool	$25.00
		Stripcharter	Physics Lab		UNIV-LD	Tool	$100.00
		Vericalc	Mathematical Physics		UNIV-LD	Tool	$100.00
		Vidichart-II	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$100.00
	Island Software	Physical Science Challenge	Physics		HS	Game	$29.95
		Physics Challenge	Physics		HS	Test	$29.95
	J & S Software	Acceleration	Mechanics	Kinematics	HS	Tutorial	$28.00
		Circular Motion	Mechanics	Circular Motion	HS	Tutorial	$28.00
		Electron Properties	Modern Physics	Atomic Physics	HS	Tutorial	$39.95
		Electron Structure	Modern Physics	Atomic Physics	HS	Tutorial	$28.00
		Free Fall	Mechanics	Kinematics	HS	Tutorial	$28.00
		Gas Laws	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$28.00
		Heat	Thermodynamics		HS	Tutorial	$28.00
		Momentum	Mechanics	Kinematics	HS	Tutorial	$28.00
		Newton's Laws	Mechanics	Dynamics	HS	Tutorial	$28.00
		Physical Science Baseball - Physics Version	Physics		JRH	Game	$29.50
		Projectile Problems	Mechanics	Projectile Motion	HS	Tutorial	$28.00
		Sound	Waves	Sound	HS	Tutorial	$28.00
		The Physics Test Maker	Physics		HS	Test	$85.00
		Uniform Motion	Mechanics	Kinematics	HS	Tutorial	$28.00
		Waves	Waves		HS	Tutorial	$28.00
		Work and Energy	Mechanics	Work	HS	Tutorial	$28.00
	John Wiley & Sons, Inc.	Concentrated Physics Concepts Part I-Mechanics	Physics		UNIV-LD	Tutorial	$30.00
		Gradisk	Teacher Utility	Gradebook	ALL	Tool	$75.00
		Modern Astronomy Demonstrations	Astronomy		HS	Demo	$75.00
		Spectral Interpretation Part 1: IR Spectroscopy	Modern Physics	Molecular Physics	UNIV-LD	Tutorial	$100.00
		Spectral Interpretation Part 2: Proton NMR Spectroscopy	Modern Physics	Atomic Physics	UNIV-LD	Tutorial	$150.00
	Krell Software Corp.	Advanced Logical Lynx	Science		JRH	Game	$69.95
		Descartes' Delight	Mathematical Physics	Graphing	HS	Tutorial	$79.95

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Apple II	Krell Software Corp.	Galactic Magellan: The Cosmic Adventure	Science	Scientific Method	JRH	Game	$39.95
		Galileo: An Adventure in Optics	Optics	Geometrical Optics	JRH	Game	$39.95
		Isaac Newton & Full Graphic Newton	Science		JRH	Game	$49.95
		New Super Logical Lynx System Master	Science		HS	Game	$89.95
		The Allegory of Plato's Cave	Science	Scientific Method	EL	Game	$49.95
	Laserpoint	Data Plotter	Mathematical Physics	Graphing	HS	Tool	$29.95
		Good Stuff: Simulations	Physics		HS	Demo	$39.95
		Laboratory Interfacing Disk	Physics Lab		HS	Lab	$79.95
	Lightspeed Software	The Observatory	Astronomy		HS	Demo	$49.95
	Mark Davids	Circuit Lab	Electricity and Magnetism	Electric Circuits	HS	Lab	$30.00
	McGraw Hill/Webster Division	Arrakis Advantage: Physics Volume 1 - Motion	Mechanics		HS	Tutorial	$39.95
		Arrakis Advantage: Physics Volume 2 - Light	Optics		HS	Tutorial	$39.95
	MECC	Mathematics Volume 1 - Graphing, Logic, and Equations	Mathematical Physics	Graphing	JRH	Tutorial	$39.00
		Mathematics Volume 4 - Advanced	Mathematical Physics	Graphing	HS	Tool	$49.00
		Modeling	Science	Scientific Method	JRH	Tutorial	$29.00
		Sky Lab	Astronomy		JRH	Tutorial	$49.00
	Merlan Scientific Ltd.	Basic Concepts of Electricity, Series 1: Basic Concepts	Electricity and Magnetism	Electric Charge	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 2: Introduction to Circuits	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 3: Resistance	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 4: Electrical Energy	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Calculations and Rounding Off (+,-)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Calculations and Rounding Off (x,+)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Class Manager III	Teacher Utility	Gradebook	ALL	Tool	$89.00
		Exponential Calculations (+,-)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Exponential Calculations (x,+)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Force and Newton's Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$55.00
		Heat Loss and Energy Conservation	Thermodynamics		HS	Tutorial	$109.00
		Ideal Gas Simulation	Thermodynamics	Gas Laws	HS	Lab	$79.00
		Introduction to Computer Electronics	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$145.00
		Linear Scales	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Longitudinal Wave Demonstrator	Waves		HS	Demo	$45.00
		Mathematics for Science Series: Metric Conversion	Measurement	Units and Dimensions	JRH	Tutorial	$35.00
		Mechanics Series: Metric Conversions	Measurement	Units and Dimensions	HS	Tutorial	$55.00
		Periodic Motion	Waves		HS	Tutorial	$45.00

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Apple II	Merlan Scientific Ltd.	Periodic Waves: Basic Concepts	Waves		HS	Tutorial	$45.00
		Periodic Waves: Interference & Standing Waves	Waves		HS	Tutorial	$45.00
		Physics Teacher Utility Disk	Physics		HS	Tool	$79.00
		Rounding Off	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Scale Reading	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Scientific Notation	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Significant Figures	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Simple Machines	Mechanics	Dynamics	HS	Tutorial	$55.00
		Slopes of Graphs	Mathematical Physics	Graphing	JRH	Tutorial	$35.00
		The Harris Interface	Physics Lab		HS	Tool	$489.00
		Uniform Acceleration	Mechanics	Kinematics	HS	Tutorial	$55.00
		Uniform Motion	Mechanics	Kinematics	HS	Tutorial	$55.00
		Vernier Scale	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Wave Demonstrations	Waves		HS	Demo	$45.00
		Waves in a Linear Medium: Introduction	Waves		HS	Tutorial	$45.00
		Waves in a Linear Medium: Superposition	Waves	Superposition	HS	Tutorial	$45.00
		Waves in Two Dimensions Series 1 - Reflection and Refraction	Waves		HS	Demo	$99.00
		Waves in Two Dimensions Series 2 - Interference and Diffraction	Waves		HS	Demo	$99.00
		Work Energy and Power	Mechanics	Work	HS	Tutorial	$55.00
	Micro LearningWare	Concepts in Static Electricity	Electricity and Magnetism	Electric Charge	HS	Tutorial	$90.00
	Micro Power & Light Co.	Apple Physics	Mechanics	Dynamics	HS	Tutorial	$34.95
		Going Together	Mathematical Physics	Data Analysis	HS	Tutorial	$29.95
		Graphing	Mathematical Physics	Graphing	JRH	Tutorial	$34.95
		Normal Deviations	Mathematical Physics	Data Analysis	JRH	Tutorial	$29.95
		Off Center	Mathematical Physics	Data Analysis	HS	Tutorial	$29.95
		Off line	Mathematical Physics	Data Analysis	HS	Tutorial	$29.95
		On the Average	Mathematical Physics	Data Analysis	JRH	Tutorial	$29.95
		Scientific Measurements	Measurement	Measuring Instruments	JRH	Tutorial	$24.95
		Scientific Simulations	Thermodynamics		HS	Tutorial	$39.95
		Simple Machines	Mechanics	Work	EL	Tutorial	$29.95
		The Scientific Method	Science	Scientific Method	JRH	Tutorial	$19.95
		What's the Score?	Mathematical Physics	Data Analysis	JRH	Tutorial	$29.95
	Microcomputer Workshops Courseware	Making Circuits	Electricity and Magnetism	Electric Circuits	JRH	Tutorial	$29.95
	Microphys Programs	Calorimetry	Thermodynamics	Calorimetry	HS	Tutorial	$25.00

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Apple II	Microphys Programs	Calorimetry Analysis	Thermodynamics	Calorimetry	HS	Tool	$25.00
		Centripetal Force	Mechanics	Circular Motion	HS	Tutorial	$25.00
		Electric Field Analysis	Electricity and Magnetism	Electric Fields	HS	Tutorial	$25.00
		Energy and the Inclined Plane	Mechanics	Dynamics	HS	Tutorial	$25.00
		Faraday's Law	Electricity and Magnetism	Faraday's Law	HS	Tutorial	$25.00
		Gas Law Analysis	Thermodynamics	Kinetic Theory of Gases	HS	Tool	$25.00
		General Gas Law	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Gottlieb's Physics Lab. Exp. Set 1. Mechanics 1	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 2. Mechanics 2	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 3. Mechanics 3	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 4. Heat	Thermodynamics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 5. Waves	Optics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 6. Electricity	Electricity and Magnetism		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 7. Modern Topics	Modern Physics		HS	Lab	$100.00
		Heats of Fusion/Vaporization	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Inelastic Collisions	Mechanics	Collisions	HS	Tutorial	$25.00
		Linear Kinematics	Mechanics	Kinematics	HS	Tutorial	$25.00
		Longitudinal Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Momentum and Energy	Mechanics	Work	HS	Tutorial	$25.00
		Optics Analysis	Optics	Geometrical Optics	HS	Tool	$25.00
		Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Photoelectric Effect	Modern Physics	Molecular Physics	HS	Tutorial	$25.00
		Projectile Analysis	Mechanics	Projectile Motion	HS	Tool	$25.00
		Projectile Motion	Mechanics	Projectile Motion	HS	Tutorial	$25.00
		Pulley Systems - Machines	Mechanics	Dynamics	HS	Tutorial	$25.00
		Refraction of Light	Optics	Wave Optics	HS	Tutorial	$25.00
		Series Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Series/Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Specific Gas Laws	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Specific Heat Capacity	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Thermodynamics I	Thermodynamics		HS	Tutorial	$25.00
		Thermodynamics II	Thermodynamics		HS	Tutorial	$25.00
		Total Internal Reflection	Optics	Geometrical Optics	HS	Tutorial	$25.00

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Apple II	Microphys Programs	Transverse Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Vector Analysis I	Mathematical Physics	Vectors	HS	Test	$25.00
		Vector Analysis II	Mathematical Physics	Vectors	HS	Tool	$25.00
	Mindscape, Inc.	The American Challenge	Mechanics		HS	Game	$44.95
		The Halley Project: A Mission in Our Solar System	Science		JRH	Game	$49.95
	MUSE Software	The Function Game	Mathematical Physics	Graphing	JRH	Tutorial	$39.95
		Three Mile Island	Modern Physics	Nuclear Physics	JRH	Game	$39.95
	Nagawtis Software Research	Data Grabber 1.0	Physics Lab	Mechanics	HS	Lab	$60.00
	Natural Intelligence	The Circuit Simulator	Electricity and Magnetism	Electric Circuits	HS	Demo	$39.95
	Phizphun Physics	Half-Life	Modern Physics	Radioactivity	HS	Tutorial	$39.00
		Phizphun Quiz 1 - Uniform Motion, Constant Acceleration/Free Fall	Mechanics	Kinematics	HS	Tutorial	$39.00
		Phizphun Quiz 2 - Newton's Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$39.00
		Phizphun Quiz 3 - Projectile Motion - Circular Motion	Mechanics	Dynamics	HS	Tutorial	$39.00
	Prentice-Hall, Inc.	Electromagnetism	Electricity and Magnetism	Electromagnetism	HS	Tutorial	$69.00
		Introductory Physical Science Courseware: Vol. 1	Measurement		HS	Lab	$104.91
		Introductory Physical Science Courseware: Vol. 2	Measurement		HS	Lab	$104.91
		Introductory Physical Science Courseware: Vol. 3	Measurement		HS	Lab	$104.91
		Introductory Physical Science Courseware: Vol. 4	Measurement		HS	Lab	$104.91
		Introductory Physical Science Courseware: Utility Diskette	Teacher Utility		JRH	Tool	$19.95
		Kinetic and Potential Energy	Mechanics	Work	HS	Tutorial	$69.00
		Newton's First Law	Mechanics	Dynamics	HS	Tutorial	$69.00
		Newton's Second Law	Mechanics	Dynamics	HS	Tutorial	$69.00
		Newton's Third Law	Mechanics	Dynamics	HS	Tutorial	$69.00
		Physical and Chemical Properties	Physics		HS	Tutorial	$69.00
		Physics Lab Help-Ware	Measurement		HS	Lab	$39.95
		The Astronomy Disk	Astronomy		JRH	Tutorial	$37.95
		The Atomic Nucleus	Modern Physics	Atomic Physics	HS	Tutorial	$69.00
		The Lever	Mechanics	Statics	HS	Tutorial	$69.00
		The Physics Disk	Physics		HS	Tutorial	$37.95
		Unprintable Physics	Physics		UNIV-LD	Tutorial	$38.95
		Velocity and Acceleration	Mechanics	Kinematics	HS	Tutorial	$69.00
		Voltage, Current, and Resistance	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$69.00
	Projected Learning Programs, Inc.	Electronic Design	Electricity and Magnetism	Electric Circuits	HS	Tool	$59.95
	Quantum Technology, Inc.	LEAP System	Physics Lab		HS	Lab	$895.00

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Apple II	Quantum Technology, Inc.	LEAP System Software Upgrade	Physics Lab		UNIV-LD	Lab	$400.00
	Right On Programs	Electricity	Electricity and Magnetism		EL	Tutorial	$18.00
		Light	Optics		EL	Tutorial	$18.00
		Matter	Physics		EL	Tutorial	$18.00
		Matter and Energy	Physics		EL	Tutorial	$18.00
		Sound	Waves	Sound	EL	Tutorial	$18.00
	Scholastic Software	Data-Plot	Mathematical Physics	Graphing	HS	Tool	$59.95
	ScienSoft	Physics	Physics		HS	Tutorial	$475.00
		Physics Testmaker	Physics		HS	Test	$149.00
		Self-Help - Physics	Physics		HS	Test	$149.00
	Spectral Graphics Software	CurvePlotter	Mathematical Physics	Graphing	JRH	Tool	$29.95
	Spectrum Holobyte, Inc.	Tell Star I	Astronomy		JRH	Demo	$49.95
		Tell Star II	Astronomy		JRH	Demo	$79.95
	SubLogic	Flight Simulator	Mechanics		HS	Game	$50.00
		Saturn Navigator	Mechanics	Orbital Motion	HS	Demo	$34.95
	Sunburst Communications	Explorer Metros	Measurement		EL	Game	$59.00
		Gears	Science		JRH	Game	$59.00
		High Wire Logic	Science		EL	Game	$59.00
		Planetary Construction Set	Science		JRH	Game	$59.00
		Polynomial Practice Using Tiles	Mathematical Physics	Graphing	HS	Tutorial	$59.00
		Semcalc	Measurement	Units and Dimensions	JRH	Tutorial	$95.00
		Sir Isaac Newton's Games	Mechanics		EL	Game	$59.00
		Solving Equations and Inequalities	Mathematical Physics	Graphing	HS	Tutorial	$59.00
		The King's Rule: Mathematics and Discovery	Science	Scientific Method	EL	Game	$59.00
		The Royal Rules	Science	Scientific Method	JRH	Game	$69.00
	Technical Educational Consultants	TECMATH: Differentiation	Mathematical Physics	Graphing	UNIV-LD	Tutorial	$60.00
		TECMATH: Graphing	Mathematical Physics	Graphing	HS	Tutorial	$60.00
		TECMATH: Instructor's Disk	Mathematical Physics	Graphing	HS	Demo	$100.00
		TECMATH: Integration	Mathematical Physics	Graphing	UNIV-LD	Tutorial	$60.00
		TECMATH: Taylor Polynomial Approximations	Mathematical Physics	Graphing	UNIV-LD	Tutorial	$60.00
	Temporal Acuity Products	Envelope Construction	Music		HS	Tutorial	$125.00
	The 6502 Program Exchange	Apple Physics Disk 1: RCL Circuits	Electricity and Magnetism		UNIV-LD	Demo	$22.50
		Apple Physics Disk 2: Waves and Fourier Series	Waves		HS	Demo	$22.50
		Apple Physics Disk 3: Electric Fields and Potentails	Electricity and Magnetism	Electric Fields	HS	Demo	$22.50

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Apple II	The 6502 Program Exchange	Apple Physics Disk 4: Magnetic Orbits	Electricity and Magnetism	Magnetic Field	HS	Demo	$22.50
		Fast Analog to Digital Converter for Apple	Physics Lab		HS	Lab	$99.50
		Matrix Calculator	Mathematical Physics		UNIV-LD	Tool	$20.00
		The Circuit Simulator	Electricity and Magnetism	Electric Circuits	HS	Demo	$39.95
	The Cactusplot Company	Cactusplot: A Mathematics Utility (Professional Version)	Mathematical Physics	Graphing	HS	Tool	$60.00
		Cactusplot: A Mathematics Utility (Student Version)	Mathematical Physics	Graphing	HS	Tool	$35.00
	The Learning Company	Robot Odyssey I	Science		JRH	Game	$49.95
		Rocky's Boots	Science		EL	Game	$49.95
	The Mole Company	Tales of the Comet	Astronomy		JRH	Tutorial	$39.95
	The Professor	Math and Science Print Program	Teacher Utility	Authoring System	ALL	Test	$99.95
		Math and Science Questionnaire Generator	Teacher Utility	Authoring System	JRH	Test	$199.95
	Thoroughbred	Mastering Units of Measurement	Measurement	Units and Dimensions	JRH	Tutorial	$49.95
		Molecules & Atoms: Exploring the Essense of Matter	Modern Physics	Atomic Physics	HS	Tutorial	$49.95
		Taking the Mystery Out of Metrics	Measurement	Units and Dimensions	JRH	Tutorial	$49.95
		The How's and Why's of Migrating Molecules	Thermodynamics		HS	Tutorial	$49.95
	Vernier Software	Charged Particles II	Electricity and Magnetism	Electric Charge	HS	Demo	$24.95
		Frequency Meter	Physics Lab		HS	Lab	$39.95
		Graphical Analysis III	Mathematical Physics	Graphing	JRH	Tool	$24.95
		How to Build a Better Mousetrap	Physics Lab		HS	Lab	$24.95
		Kinematics II	Mechanics	Kinematics	HS	Tutorial	$24.95
		Orbit II	Mechanics	Orbital Motion	HS	Tutorial	$24.95
		Precision Timer II	Mechanics		HS	Lab	$39.95
		Projectiles II	Mechanics	Projectile Motion	HS	Tutorial	$24.95
		Ray Tracer	Optics	Geometrical Optics	HS	Tutorial	$24.95
		Temperature Plotter	Physics Lab	Thermodynamics	HS	Lab	$39.95
		Vector Addition II	Mathematical Physics	Vectors	HS	Tool	$24.95
		Voltage Plotter	Physics Lab		HS	Lab	$39.95
		Wave Addition II	Waves		HS	Demo	$24.95
	Versa Computing, Inc.	Solar System	Astronomy		JRH	Tutorial	$39.95
	Vienna Physics Software	Approximation Methods for Differential Equations	Mathematical Physics		UNIV-LD	Demo	$38.00
		Einstein's World	Modern Physics	Relativity	HS	Demo	$80.00
		Order and Chaos	Physics		UNIV-LD	Demo	$48.00
		Physics in Sports	Mechanics	Dynamics	HS	Demo	$48.00
	Zephyr Services	Physicalc	Physics		HS	Tutorial	$39.95

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Atari	Cambridge Development Laboratory	Experiment Interface	Physics Lab		HS	Lab	$549.95
	Creative Technology, Inc.	Atarilab Light Module	Physics Lab		JRH	Lab	$50.00
		Atarilab Starter Set with Temperature Module	Physics Lab	Thermodynamics	JRH	Lab	$70.00
	Dorsett Educational Systems, Inc.	Basic Electricity	Electricity and Magnetism		HS	Tutorial	$59.90
		Industrial Solid State Electronics	Electricity and Magnetism		HS	Tutorial	$59.90
		Physics	Physics		HS	Tutorial	$59.90
	EduWare Services, Inc.	Rendezvous	Mechanics	Orbital Motion	JRH	Game	$39.95
	Krell Software Corp.	Full Graphic Newton	Science		JRH	Game	$49.95
	Mark Davids	Circuit Lab	Electricity and Magnetism	Electric Circuits	HS	Lab	$30.00
	Mindscape, Inc.	The Halley Project: A Mission in Our Solar System	Science		JRH	Game	$44.95
	SubLogic	Flight Simulator	Mechanics		HS	Game	$50.00
	Sunburst Communications	Semcalc	Measurement	Units and Dimensions	JRH	Tutorial	$95.00
Commodore 64	BCI Software	Science Book 1	Science		EL	Tutorial	$14.99
	CBS Software	Graphing Linear Functions	Mathematical Physics	Graphing	JRH	Tutorial	$34.95
		Light-Waves	Science		EL	Game	$39.95
	Creative Technology, Inc.	Light Lab	Physics Lab		JRH	Lab	$50.00
		Temperature Lab	Physics Lab	Thermodynamics	JRH	Lab	$70.00
	Cross Educational Software	Create-A-Test	Teacher Utility	Authoring System	ALL	Tool	$89.95
		Create-A-Test Question Files - Physics 671	Physics		HS	Test	$49.95
		Create-A-Test Question Files - Physics 672	Physics		HS	Test	$49.95
		Create-A-Test Question Files - Physics 673	Physics		HS	Test	$49.95
		Create-A-Test Question Files - Physics 704	Physics		HS	Test	$49.95
		General Physics Series Volume 10 - Solar System Astronomy	Astronomy		JRH	Tutorial	$30.00
		General Physics Series Volume 11 - Stellar Astronomy	Astronomy		JRH	Demo	$30.00
		General Physics Series Volume 12 - Physics Gems	Physics		HS	Tutorial	$35.00
	Dorsett Educational Systems, Inc.	Basic Electricity	Electricity and Magnetism		HS	Tutorial	$59.90
		Industrial Solid State Electronics	Electricity and Magnetism		HS	Tutorial	$59.90
		Physics	Physics		HS	Tutorial	$59.90
	Educational Images Ltd.	Physical Science Series I: Physical Science Activities	Measurement		JRH	Lab	$150.00
		Physical Science Series II: Histogram Generation & Analysis	Measurement		JRH	Lab	$100.00
	Focus Media, Inc.	Energy	Physics		JRH	Tutorial	$69.00
		Heat and Temperature	Thermodynamics	Kinetic Theory of Gases	HS	Demo	$99.00
		Introduction to Matter and Energy	Physics		HS	Tutorial	$159.00
		Measurements: Length, Mass and Volume	Measurement	Measuring Instruments	JRH	Tutorial	$59.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Commodore 64	Focus Media, Inc.	The Great Physical Science Knowledge Race	Physics		JRH	Game	$79.00
	HRM Software	Mathgrapher: A Computer Graphing Utility	Mathematical Physics	Graphing	JRH	Tool	$69.00
	J & S Software	Electron Structure	Modern Physics	Atomic Physics	HS	Tutorial	$28.00
	Krell Software Corp.	Advanced Logical Lynx	Science		JRH	Game	$69.95
		Galactic Magellan: The Cosmic Adventure	Science	Scientific Method	JRH	Game	$39.95
		Galileo: An Adventure in Optics	Optics	Geometrical Optics	JRH	Game	$39.95
		Isaac Newton & Full Graphic Newton	Science		JRH	Game	$49.95
		New Super Logical Lynx System Master	Science		HS	Game	$89.95
		The Allegory of Plato's Cave	Science	Scientific Method	EL	Game	$49.95
	Loma Linda University	VIC/C-64 Scope	Physics Lab		UNIV-LD	Lab	$5.00
		VIC/C-64 Voltmeter	Physics Lab		HS	Lab	$5.00
	McGraw Hill/Webster Division	Arrakis Advantage: Physics Volume 1 - Motion	Mechanics		HS	Tutorial	$39.95
		Arrakis Advantage: Physics Volume 2 - Light	Optics		HS	Tutorial	$39.95
	Merlan Scientific Ltd.	Acceleration Due to Gravity	Mechanics	Kinematics	HS	Tutorial	$35.00
		Basic Concepts of Electricity, Series 1: Basic Concepts	Electricity and Magnetism	Electric Charge	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 2: Introduction to Circuits	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 3: Resistance	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 4: Electrical Energy	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Calculations and Rounding Off (+,-)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Calculations and Rounding Off (x,÷)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Champ Software Volume (1) ONE: Sensor Pack	Physics Lab		HS	Tool	$99.00
		Champ Software Volume (2) TWO: Scope Chart 64 - Advanced Level	Physics Lab		HS	Tool	$149.00
		Champ Software Volume (2) TWO: Scope Chart 64 - Entry Level	Physics Lab		HS	Tool	$99.00
		Champ Software Volume (3) THREE: Sigpro	Physics Lab	Sound	HS	Tool	$149.00
		Class Manager III	Teacher Utility	Gradebook	ALL	Tool	$89.00
		Computimer	Physics Lab	Mechanics	HS	Tool	$84.00
		Exponential Calculations (+,-)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Exponential Calculations (x,÷)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Force and Newton's Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$55.00
		Graphical Analysis of Data	Mathematical Physics	Graphing	HS	Tutorial	$70.00
		Gravitational Potential Energy	Mechanics	Projectile Motion	HS	Tutorial	$35.00
		Heat Loss and Energy Conservation	Thermodynamics		HS	Tutorial	$109.00
		Introduction to Computer Electronics	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$145.00
		Linear Air Track - Momentum in Elastic Collisions	Mechanics	Collisions	HS	Tutorial	$35.00

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Commodore 64	Merlan Scientific Ltd.	Linear Scales	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Longitudinal Wave Demonstrator	Waves		HS	Demo	$45.00
		Mathematics for Science Series: Metric Conversion	Measurement	Units and Dimensions	JRH	Tutorial	$35.00
		Mechanics Series: Metric Conversions	Measurement	Units and Dimensions	HS	Tutorial	$55.00
		Merlan Physics Series 1: Data Analysis	Mathematical Physics	Graphing	JRH	Tool	$40.00
		Merlan Physics Series 2: Drill and Testing	Mechanics	Projectile Motion	HS	Game	$55.00
		Merlan Physics Series 3: Instruction	Physics		HS	Demo	$85.00
		Periodic Motion	Waves		HS	Tutorial	$45.00
		Periodic Waves: Basic Concepts	Waves		HS	Tutorial	$45.00
		Periodic Waves: Interference & Standing Waves	Waves		HS	Tutorial	$45.00
		Radioactivity - Half Life	Modern Physics	Radioactivity	HS	Tutorial	$35.00
		Rounding Off	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Scale Reading	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Scientific Notation	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Significant Figures	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Simple Machines	Mechanics	Dynamics	HS	Tutorial	$55.00
		Slopes of Graphs	Mathematical Physics	Graphing	JRH	Tutorial	$35.00
		Test Manager: Question Processing System	Teacher Utility	Authoring System	ALL	Tool	$150.00
		Uniform Acceleration	Mechanics	Kinematics	HS	Tutorial	$55.00
		Uniform Motion	Mechanics	Kinematics	HS	Tutorial	$55.00
		Vernier Scale	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Wave Demonstrations	Waves		HS	Demo	$45.00
		Waves in a Linear Medium: Introduction	Waves		HS	Tutorial	$45.00
		Waves in a Linear Medium: Superposition	Waves	Superposition	HS	Tutorial	$45.00
		Waves in Two Dimensions Series 1 - Reflection and Refraction	Waves		HS	Demo	$99.00
		Waves in Two Dimensions Series 2 - Interference and Diffraction	Waves		HS	Demo	$99.00
		Work Energy and Power	Mechanics	Work	HS	Tutorial	$55.00
	Microcomputer Workshops Courseware	Making Circuits	Electricity and Magnetism	Electric Circuits	JRH	Tutorial	$29.95
	Microphys Programs	Calorimetry	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Calorimetry Analysis	Thermodynamics	Calorimetry	HS	Tool	$25.00
		Centripetal Force	Mechanics	Circular Motion	HS	Tutorial	$25.00
		Electric Field Analysis	Electricity and Magnetism	Electric Fields	HS	Tutorial	$25.00
		Energy and the Inclined Plane	Mechanics	Dynamics	HS	Tutorial	$25.00
		Faraday's Law	Electricity and Magnetism	Faraday's Law	HS	Tutorial	$25.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Commodore 64	Microphys Programs	Gas Law Analysis	Thermodynamics	Kinetic Theory of Gases	HS	Tool	$25.00
		General Gas Law	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Gottlieb's Physics Lab. Exp. Set 1. Mechanics 1	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 2. Mechanics 2	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 3. Mechanics 3	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 4. Heat	Thermodynamics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 5. Waves	Optics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 6. Electricity	Electricity and Magnetism		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 7. Modern Topics	Modern Physics		HS	Lab	$100.00
		Heats of Fusion/Vaporization	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Inelastic Collisions	Mechanics	Collisions	HS	Tutorial	$25.00
		Linear Kinematics	Mechanics	Kinematics	HS	Tutorial	$25.00
		Longitudinal Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Momentum and Energy	Mechanics	Work	HS	Tutorial	$25.00
		Optics Analysis	Optics	Geometrical Optics	HS	Tool	$25.00
		Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Photoelectric Effect	Modern Physics	Molecular Physics	HS	Tutorial	$25.00
		Projectile Analysis	Mechanics	Projectile Motion	HS	Tool	$25.00
		Projectile Motion	Mechanics	Projectile Motion	HS	Tutorial	$25.00
		Pulley Systems - Machines	Mechanics	Dynamics	HS	Tutorial	$25.00
		Refraction of Light	Optics	Wave Optics	HS	Tutorial	$25.00
		Series Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Series/Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Specific Gas Laws	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Specific Heat Capacity	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Thermodynamics I	Thermodynamics		HS	Tutorial	$25.00
		Thermodynamics II	Thermodynamics		HS	Tutorial	$25.00
		Total Internal Reflection	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Transverse Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Vector Analysis I	Mathematical Physics	Vectors	HS	Test	$25.00
		Vector Analysis II	Mathematical Physics	Vectors	HS	Tool	$25.00
	Mindscape, Inc.	The Halley Project: A Mission in Our Solar System	Science		JRH	Game	$44.95
	Right On Programs	Electricity	Electricity and Magnetism		EL	Tutorial	$18.00

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Commodore 64	Right On Programs	Light	Optics		EL	Tutorial	$18.00
		Matter	Physics		EL	Tutorial	$18.00
		Matter and Energy	Physics		EL	Tutorial	$18.00
		Sound	Waves	Sound	EL	Tutorial	$18.00
	ScienSoft	Physics	Physics		HS	Tutorial	$475.00
		Physics Testmaker	Physics		HS	Test	$149.00
		Self-Help - Physics	Physics		HS	Test	$149.00
	SubLogic	Flight Simulator	Mechanics		HS	Game	$50.00
	Sunburst Communications	Gears	Science		JRH	Game	$59.00
		The King's Rule: Mathematics and Discovery	Science	Scientific Method	EL	Game	$59.00
	The Learning Company	Rocky's Boots	Science		EL	Game	$34.95
	Vernier Software	Precision Timer	Mechanics		HS	Lab	$39.95
	Vienna Physics Software	Approximation Methods for Differential Equations	Mathematical Physics		UNIV-LD	Demo	$38.00
Commodore Pet	Merlan Scientific Ltd.	Acceleration Due to Gravity	Mechanics	Kinematics	HS	Tutorial	$35.00
		Basic Concepts of Electricity, Series 1: Basic Concepts	Electricity and Magnetism	Electric Charge	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 2: Introduction to Circuits	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 3: Resistance	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Basic Concepts of Electricity, Series 4: Electrical Energy	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$95.00
		Calculations and Rounding Off (+,-)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Calculations and Rounding Off (x,÷)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Class Manager III	Teacher Utility	Gradebook	ALL	Tool	$89.00
		Computimer	Physics Lab	Mechanics	HS	Tool	$84.00
		Exponential Calculations (+,-)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Exponential Calculations (x,÷)	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Force and Newton's Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$55.00
		Graphical Analysis of Data	Mathematical Physics	Graphing	HS	Tutorial	$70.00
		Gravitational Potential Energy	Mechanics	Projectile Motion	HS	Tutorial	$35.00
		Heat Loss and Energy Conservation	Thermodynamics		HS	Tutorial	$109.00
		Linear Air Track - Momentum in Elastic Collisions	Mechanics	Collisions	HS	Tutorial	$35.00
		Linear Scales	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Longitudinal Wave Demonstrator	Waves		HS	Demo	$45.00
		Mathematics for Science Series: Metric Conversion	Measurement	Units and Dimensions	JRH	Tutorial	$35.00
		Mechanics Series: Metric Conversions	Measurement	Units and Dimensions	HS	Tutorial	$55.00
		Merlan Physics Series 1: Data Analysis	Mathematical Physics	Graphing	JRH	Tool	$40.00

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Commodore Pet	Merlan Scientific Ltd.	Merlan Physics Series 2: Drill and Testing	Mechanics	Projectile Motion	HS	Game	$55.00
		Merlan Physics Series 3: Instruction	Physics		HS	Demo	$85.00
		Millikan's Experiment (Version 1)	Modern Physics	Atomic Physics	HS	Tutorial	$35.00
		Millikan's Experiment (Version 2)	Modern Physics	Atomic Physics	HS	Tutorial	$35.00
		Periodic Motion	Waves		HS	Tutorial	$45.00
		Periodic Waves: Basic Concepts	Waves		HS	Tutorial	$45.00
		Periodic Waves: Interference & Standing Waves	Waves		HS	Tutorial	$45.00
		Radioactivity - Half Life	Modern Physics	Radioactivity	HS	Tutorial	$35.00
		Rounding Off	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Scale Reading	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Scientific Notation	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Significant Figures	Measurement	Significant Figures	JRH	Tutorial	$35.00
		Simple Machines	Mechanics	Dynamics	HS	Tutorial	$55.00
		Slopes of Graphs	Mathematical Physics	Graphing	JRH	Tutorial	$35.00
		Test Manager: Question Processing System	Teacher Utility	Authoring System	ALL	Tool	$150.00
		Uniform Acceleration	Mechanics	Kinematics	HS	Tutorial	$55.00
		Uniform Motion	Mechanics	Kinematics	HS	Tutorial	$55.00
		Vernier Scale	Measurement	Measuring Instruments	JRH	Tutorial	$35.00
		Wave Demonstrations	Waves		HS	Demo	$45.00
		Waves in a Linear Medium: Introduction	Waves		HS	Tutorial	$45.00
		Waves in a Linear Medium: Superposition	Waves	Superposition	HS	Tutorial	$45.00
		Work Energy and Power	Mechanics	Work	HS	Tutorial	$55.00
	Micro LearningWare	Science Package III	Mechanics	Kinematics	HS	Tutorial	$45.00
	Microcomputer Workshops Courseware	Making Circuits	Electricity and Magnetism	Electric Circuits	JRH	Tutorial	$29.95
	Microphys Programs	Calorimetry	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Calorimetry Analysis	Thermodynamics	Calorimetry	HS	Tool	$25.00
		Centripetal Force	Mechanics	Circular Motion	HS	Tutorial	$25.00
		Electric Field Analysis	Electricity and Magnetism	Electric Fields	HS	Tutorial	$25.00
		Energy and the Inclined Plane	Mechanics	Dynamics	HS	Tutorial	$25.00
		Faraday's Law	Electricity and Magnetism	Faraday's Law	HS	Tutorial	$25.00
		Gas Law Analysis	Thermodynamics	Kinetic Theory of Gases	HS	Tool	$25.00
		General Gas Law	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Gottlieb's Physics Lab. Exp. Set 1. Mechanics 1	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 2. Mechanics 2	Mechanics	Dynamics	HS	Lab	$100.00

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Commodore Pet	Microphys Programs	Gottlieb's Physics Lab. Exp. Set 3. Mechanics 3	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 4. Heat	Thermodynamics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 5. Waves	Optics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 6. Electricity	Electricity and Magnetism		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 7. Modern Topics	Modern Physics		HS	Lab	$100.00
		Heats of Fusion/Vaporization	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Inelastic Collisions	Mechanics	Collisions	HS	Tutorial	$25.00
		Linear Kinematics	Mechanics	Kinematics	HS	Tutorial	$25.00
		Longitudinal Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Momentum and Energy	Mechanics	Work	HS	Tutorial	$25.00
		Optics Analysis	Optics	Geometrical Optics	HS	Tool	$25.00
		Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Photoelectric Effect	Modern Physics	Molecular Physics	HS	Tutorial	$25.00
		Projectile Analysis	Mechanics	Projectile Motion	HS	Tool	$25.00
		Projectile Motion	Mechanics	Projectile Motion	HS	Tutorial	$25.00
		Pulley Systems - Machines	Mechanics	Dynamics	HS	Tutorial	$25.00
		Refraction of Light	Optics	Wave Optics	HS	Tutorial	$25.00
		Series Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Series/Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Specific Gas Laws	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Specific Heat Capacity	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Thermodynamics I	Thermodynamics		HS	Tutorial	$25.00
		Thermodynamics II	Thermodynamics		HS	Tutorial	$25.00
		Total Internal Reflection	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Transverse Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Vector Analysis I	Mathematical Physics	Vectors	HS	Test	$25.00
		Vector Analysis II	Mathematical Physics	Vectors	HS	Tool	$25.00
	Right On Programs	Electricity	Electricity and Magnetism		EL	Tutorial	$18.00
		Light	Optics		EL	Tutorial	$18.00
		Matter	Physics		EL	Tutorial	$18.00
		Matter and Energy	Physics		EL	Tutorial	$18.00
		Sound	Waves	Sound	EL	Tutorial	$18.00
	Scholastic Software	Motion Problems I	Mechanics	Kinematics	HS	Tutorial	$21.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
Commodore Pet	Scholastic Software	Motion Problems II	Mechanics	Kinematics	HS	Tutorial	$21.00
	ScienSoft	Physics	Physics		HS	Tutorial	$475.00
		Physics Testmaker	Physics		HS	Test	$149.00
		Self-Help - Physics	Physics		HS	Test	$149.00
Control Data 110	Control Data Publishing Company, Inc.	Physics 1 Series	Physics		UNIV-LD	Tutorial	$1150.00
IBM PC	Academic Press, Inc.	Graph-PAD - Graph Plotter and Digitizer	Mathematical Physics	Graphing	UNIV-UD	Tool	$340.00
	Addison-Wesley Publishing Co.	The Calculus Toolkit	Mathematical Physics	Graphing	UNIV-LD	Tutorial	$200.00
	Benjamin/Cummings Publishing Co.	Computational Physics	Mathematical Physics		UNIV-LD	Tool	$38.95
	CBS Software	Graphing Linear Functions	Mathematical Physics	Graphing	JRH	Tutorial	$34.95
	Conduit	Baffles II	Science	Scientific Method	JRH	Game	$50.00
		Matrix Calculator	Mathematical Physics		UNIV-LD	Tool	$85.00
		Tribbles: An Introduction to the Scientific Method	Science	Scientific Method	JRH	Game	$40.00
	Control Data Publishing Company, Inc.	Physics 1: Module A. Units, Dimensions, & Vector Addition	Measurement	Units and Dimensions	UNIV-LD	Tutorial	$80.00
		Physics 1: Module B. One-Dimensional Kinematics	Mechanics	Kinematics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module C. Two-Dimensional Kinematics	Mechanics	Kinematics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module D. Force and Particle Statics	Mechanics	Statics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module E. Particle Dynamics and Gravity	Mechanics	Dynamics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module F. Work, Kinetic Energy, and Power	Mechanics	Work	UNIV-LD	Tutorial	$80.00
		Physics 1: Module G. Potential Energy & the Conservation of Mechanical Energy	Mechanics	Dynamics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module H. Center of Mass and Linear Momentum	Mechanics	Center of Mass	UNIV-LD	Tutorial	$80.00
		Physics 1: Module I. Impulse and Collisions	Mechanics	Collisions	UNIV-LD	Tutorial	$80.00
		Physics 1: Module J. Problem Solving in Particle Motion	Mechanics	Dynamics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module K. Rotational Kinematics	Mechanics	Rotation	UNIV-LD	Tutorial	$80.00
		Physics 1: Module L. Torque and Rigid-Body Statics	Mechanics	Torque	UNIV-LD	Tutorial	$80.00
		Physics 1: Module M. Rotational Dynamics	Mechanics	Rotation	UNIV-LD	Tutorial	$80.00
		Physics 1: Module N. Angular Momentum	Mechanics	Rotation	UNIV-LD	Tutorial	$80.00
		Physics 1: Module O. Problem Solving in Rigid Body Motion	Mechanics	Dynamics	UNIV-LD	Tutorial	$80.00
		Physics 1: Module P. Oscillations	Mechanics	Harmonic Motion	UNIV-LD	Tutorial	$80.00
		Physics 2: Module A: Charge, Matter, and Coulomb's Law	Electricity and Magnetism	Electric Charge	UNIV-LD	Tutorial	$95.00
		Physics 2: Module B: The Electric Field	Electricity and Magnetism	Electric Fields	UNIV-LD	Tutorial	$95.00
		Physics 2: Module C: Gauss's Law	Electricity and Magnetism	Electric Fields	UNIV-LD	Tutorial	$95.00
		Physics 2: Module D: Electric Potential	Electricity and Magnetism	Electric Potential	UNIV-LD	Tutorial	$95.00
		Physics 2: Module E: Capacitors and Dielectrics	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$95.00
		Physics 2: Module F: Current and Resistance	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$95.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
IBM PC	Control Data Publishing Company, Inc.	Physics 2: Module G: DC Circuits	Electricity and Magnetism	Electric Circuits	UNIV-LD	Tutorial	$95.00
		Physics 2: Module H: The Magnetic Field	Electricity and Magnetism	Magnetic Fields	UNIV-LD	Tutorial	$95.00
		Physics 2: Module I: Magnetic Field of a Current	Electricity and Magnetism	Magnetic Fields	UNIV-LD	Tutorial	$95.00
		Physics 2: Module J: Faraday's Law	Electricity and Magnetism	Faraday's Law	UNIV-LD	Tutorial	$95.00
		Physics 2: Module K: Inductance and E/M Oscillations	Electricity and Magnetism	Faraday's Law	UNIV-LD	Tutorial	$95.00
		Physics 2: Module L: Magnetic Properties of Matter	Electricity and Magnetism	Magnetic Fields	UNIV-LD	Tutorial	$95.00
		Physics: Elementary Mechanics	Mechanics		HS	Tutorial	$39.95
		Polymath: Algebraic Equations	Mathematical Physics		UNIV-LD	Tool	$150.00
		Polymath: Differential Equations	Mathematical Physics		UNIV-LD	Tool	$150.00
		Polymath: Multiple Regression	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$150.00
		Polymath: Polynomial Curve Fit	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$150.00
	Cross Educational Software	General Physics Series Volume 1 - Vectors and Graphing	Mathematical Physics	Vectors	UNIV-LD	Tutorial	$15.00
		General Physics Series Volume 2 - Statics	Mechanics	Statics	HS	Tutorial	$20.00
		General Physics Series Volume 3 - Motion	Mechanics	Dynamics	HS	Tutorial	$20.00
		General Physics Series Volume 4 - Conservation Laws	Mechanics	Collisions	HS	Tutorial	$20.00
		General Physics Series Volume 5 - Circular Motion	Mechanics	Circular Motion	HS	Tutorial	$20.00
		General Physics Series Volume 6 - Thermodynamics	Thermodynamics		UNIV-LD	Tutorial	$20.00
		General Physics Series Volume 7 - Electricity and Magnetism	Electricity and Magnetism		UNIV-LD	Tutorial	$20.00
		General Physics Series Volume 8 - Optics	Optics	Geometrical Optics	HS	Tutorial	$20.00
		General Physics Series Volume 9 - Atomic Physics	Modern Physics	Atomic Physics	HS	Tutorial	$30.00
		General Physics Series Volume 10 - Solar System Astronomy	Astronomy		JRH	Tutorial	$30.00
		General Physics Series Volume 11 - Stellar Astronomy	Astronomy		JRH	Demo	$30.00
		General Physics Series Volume 12 - Physics Gems	Physics		HS	Tutorial	$35.00
		Gravity Simulation	Mechanics	Orbital Motion	HS	Demo	$40.00
		Numerical Methods in Physics	Mechanics	Dynamics	UNIV-LD	Tutorial	$40.00
	Dorsett Educational Systems, Inc.	Industrial Solid State Electronics	Electricity and Magnetism		HS	Tutorial	$59.90
		Physics	Physics		HS	Tutorial	$59.90
	Educational Images Ltd.	Physical Science Series I: Physical Science Activities	Measurement		JRH	Lab	$150.00
		Physical Science Series II: Histogram Generation & Analysis	Measurement		JRH	Lab	$100.00
	Educational Materials & Equipment Co.	Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$125.00
		Light Waves (Young's Experiment)	Optics	Wave Optics	HS	Demo	$57.00
	Edwin F. Taylor	Spacetime Software, November 1985	Modern Physics	Relativity	UNIV-LD	Demo	$15.00
	Focus Media, Inc.	The Great Physical Science Knowledge Race	Physics		JRH	Game	$79.00
	Intellectual Software	Analytical Reasoning	Science		HS	Tutorial	$65.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
IBM PC	Intellectual Software	Exploring Science II- Electricity	Physics		JRH	Tutorial	$34.95
		Exploring Science II- Elementary Physics	Physics		JRH	Tutorial	$34.95
		Physics 1	Physics		HS	Tutorial	$79.95
		Rounding and Estimation	Measurement		JRH	Tutorial	$29.95
		Scientific Notation	Measurement		JRH	Tutorial	$29.95
	Interactive Microware	ADALAB-PC	Physics Lab		HS	Lab	$655.00
		Curve Fitter-PC	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$105.00
		Scientific Plotter-PC	Mathematical Physics	Graphing	HS	Tool	$105.00
	International Business Machines Corp.	Investigating Acceleration	Mechanics	Dynamics	HS	Tutorial	$60.00
		Investigating Conservation of Energy	Mechanics	Conservation Laws	HS	Tutorial	$60.00
		Investigating Electric Fields	Electricity and Magnetism	Electric Fields	HS	Tutorial	$60.00
		Investigating Gravitational Force	Mechanics	Orbital Motion	HS	Tutorial	$60.00
		Investigating Models of Light	Modern Physics	Quantum Mechanics	HS	Tutorial	$60.00
		Investigating Thermal Energy	Thermodynamics		HS	Tutorial	$60.00
		Investigating Wave Interference	Optics	Wave Optics	HS	Tutorial	$60.00
		Measurement Process: Distance and Area	Measurement		JRH	Tutorial	$60.00
		Theory Formation: Reflections and Patterns	Science	Scientific Method	JRH	Tutorial	$60.00
	John Wiley & Sons, Inc.	Gradisk	Teacher Utility	Gradebook	ALL	Tool	$75.00
	Kern International, Inc.	Fourier Synthesis Software	Waves	Fourier Analysis	UNIV-LD	Demo	$85.00
		Optical RayTrace	Optics	Geometrical Optics	HS	Demo	$85.00
	Krell Software Corp.	Advanced Logical Lynx	Science		JRH	Game	$69.95
		Galileo: An Adventure in Optics	Optics	Geometrical Optics	JRH	Game	$39.95
		Isaac Newton & Full Graphic Newton	Science		JRH	Game	$49.95
		New Super Logical Lynx System Master	Science		HS	Game	$89.95
		The Allegory of Plato's Cave	Science	Scientific Method	EL	Game	$49.95
	MacMillan Software Company	ASYST Module 1: System/Graphics/Statistics	Mathematical Physics	Data Analysis	UNIV-UD	Tool	$795.00
		ASYST Module 2: Analysis	Mathematical Physics	Data Analysis	UNIV-UD	Tool	$495.00
		ASYST Module 3: Data Acquisition	Mathematical Physics	Data Analysis	UNIV-UD	Lab	$495.00
		ASYST Module 4: GPIB/IEEE-488	Mathematical Physics	Data Analysis	UNIV-UD	Tool	$495.00
	MathSoft, Inc.	MathCAD 1.1	Mathematical Physics		UNIV-LD	Tool	$189.00
	McGraw Hill/Webster Division	Arrakis Advantage: Physics Volume 1 - Motion	Mechanics		HS	Tutorial	$39.95
		Arrakis Advantage: Physics Volume 2 - Light	Optics		HS	Tutorial	$39.95
	MECC	Modeling	Science	Scientific Method	JRH	Tutorial	$29.00
	Merlan Scientific Ltd.	Class Manager III	Teacher Utility	Gradebook	ALL	Tool	$129.00

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IBM PC	Microphys Programs	Calorimetry	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Calorimetry Analysis	Thermodynamics	Calorimetry	HS	Tool	$25.00
		Centripetal Force	Mechanics	Circular Motion	HS	Tutorial	$25.00
		Electric Field Analysis	Electricity and Magnetism	Electric Fields	HS	Tutorial	$25.00
		Energy and the Inclined Plane	Mechanics	Dynamics	HS	Tutorial	$25.00
		Faraday's Law	Electricity and Magnetism	Faraday's Law	HS	Tutorial	$25.00
		Gas Law Analysis	Thermodynamics	Kinetic Theory of Gases	HS	Tool	$25.00
		General Gas Law	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Gottlieb's Physics Lab. Exp. Set 1. Mechanics 1	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 2. Mechanics 2	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 3. Mechanics 3	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 4. Heat	Thermodynamics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 5. Waves	Optics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 6. Electricity	Electricity and Magnetism		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 7. Modern Topics	Modern Physics		HS	Lab	$100.00
		Heats of Fusion/Vaporization	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Inelastic Collisions	Mechanics	Collisions	HS	Tutorial	$25.00
		Linear Kinematics	Mechanics	Kinematics	HS	Tutorial	$25.00
		Longitudinal Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Momentum and Energy	Mechanics	Work	HS	Tutorial	$25.00
		Optics Analysis	Optics	Geometrical Optics	HS	Tool	$25.00
		Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Photoelectric Effect	Modern Physics	Molecular Physics	HS	Tutorial	$25.00
		Projectile Analysis	Mechanics	Projectile Motion	HS	Tool	$25.00
		Projectile Motion	Mechanics	Projectile Motion	HS	Tutorial	$25.00
		Pulley Systems - Machines	Mechanics	Dynamics	HS	Tutorial	$25.00
		Refraction of Light	Optics	Wave Optics	HS	Tutorial	$25.00
		Series Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Series/Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Specific Gas Laws	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Specific Heat Capacity	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Thermodynamics I	Thermodynamics		HS	Tutorial	$25.00
		Thermodynamics II	Thermodynamics		HS	Tutorial	$25.00

Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
IBM PC	Microphys Programs	Total Internal Reflection	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Transverse Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Vector Analysis I	Mathematical Physics	Vectors	HS	Test	$25.00
		Vector Analysis II	Mathematical Physics	Vectors	HS	Tool	$25.00
	Mindscape, Inc.	The American Challenge	Mechanics		HS	Game	$44.95
	Prentice-Hall, Inc.	Electromagnetism	Electricity and Magnetism	Electromagnetism	HS	Tutorial	$69.00
		Kinetic and Potential Energy	Mechanics	Work	HS	Tutorial	$69.00
		Newton's First Law	Mechanics	Dynamics	HS	Tutorial	$69.00
		Newton's Second Law	Mechanics	Dynamics	HS	Tutorial	$69.00
		Newton's Third Law	Mechanics	Dynamics	HS	Tutorial	$69.00
		Physical and Chemical Properties	Physics		HS	Tutorial	$69.00
		The Atomic Nucleus	Modern Physics	Atomic Physics	HS	Tutorial	$69.00
		The Lever	Mechanics	Statics	HS	Tutorial	$69.00
		Velocity and Acceleration	Mechanics	Kinematics	HS	Tutorial	$69.00
		Voltage, Current, and Resistance	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$69.00
	ScienSoft	Physics	Physics		HS	Tutorial	$475.00
		Physics Testmaker	Physics		HS	Test	$149.00
		Self-Help - Physics	Physics		HS	Test	$149.00
	Snowflake Software	Test Quest	Teacher Utility	Authoring System	ALL	Tool	$59.95
	Spectrum Holobyte, Inc.	Tell Star I	Astronomy		JRH	Demo	$49.95
		Tell Star II	Astronomy		JRH	Demo	$129.95
	Sunburst Communications	Gears	Science		JRH	Game	$59.00
		High Wire Logic	Science		EL	Game	$59.00
		Sir Isaac Newton's Games	Mechanics		EL	Game	$59.00
		The King's Rule: Mathematics and Discovery	Science	Scientific Method	EL	Game	$59.00
		The Royal Rules	Science	Scientific Method	JRH	Game	$69.00
	Superior Design Software	Solve It	Mathematical Physics		UNIV-UD	Tool	$149.00
	The Cactusplot Company	Cactusplot: A Mathematics Utility (Professional Version)	Mathematical Physics	Graphing	HS	Tool	$60.00
		Cactusplot: A Mathematics Utility (Student Version)	Mathematical Physics	Graphing	HS	Tool	$35.00
	The Learning Company	Rocky's Boots	Science		EL	Game	$49.95
	The MathWorks, Inc.	PC - Matlab	Mathematical Physics		UNIV-UD	Tool	$695.00
	Thoroughbred	Mastering Units of Measurement	Measurement	Units and Dimensions	JRH	Tutorial	$49.95
		Molecules & Atoms: Exploring the Essense of Matter	Modern Physics	Atomic Physics	HS	Tutorial	$49.95
		Taking the Mystery Out of Metrics	Measurement	Units and Dimensions	JRH	Tutorial	$49.95

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Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
IBM PC	Thoroughbred	The How's and Why's of Migrating Molecules	Thermodynamics		HS	Tutorial	$49.95
	Vienna Physics Software	Approximation Methods for Differential Equations	Mathematical Physics		UNIV-LD	Demo	$38.00
	Zephyr Services	Physicalc	Physics		HS	Tutorial	$39.95
Macintosh	Cricket Software, Inc.	Cricket Graph	Mathematical Physics	Graphing	ALL	Tool	$195.00
		StatWorks	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$79.00
	Edwin F. Taylor	Spacetime Diagram	Modern Physics	Relativity	UNIV-LD	Tutorial	$15.00
	Etlon Software	MacStronomy	Astronomy		JRH	Tool	$75.00
	GW Instruments	MacADIOS System I	Physics Lab		UNIV-UD	Lab	$2500.00
		MacSpeech Lab	Waves	Sound	UNIV-LD	Lab	$300.00
	Heyden & Son, Inc.	StatWorks	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$99.95
	Kinko's Academic Courseware Exchange	Atlas and Overlay	Teacher Utility	Authoring System	ALL	Tool	$12.50
		CLR Anova Student Version	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$24.00
		Drill	Teacher Utility	Authoring System	ALL	Tool	$7.00
		Electromagnetism - Physics Simulations II	Electricity and Magnetism		UNIV-UD	Tutorial	$24.50
		FunPlot: Function Plotter and Calculus Demonstrator	Mathematical Physics	Graphing	JRH	Demo	$15.00
		Hückel Molecular Orbitals	Modern Physics	Molecular Physics	UNIV-UD	Tool	$12.00
		Lesson Writer for Chemistry Lessons	Teacher Utility	Authoring System	ALL	Tool	$34.00
		Lesson Writer II	Teacher Utility	Authoring System	ALL	Tool	$30.00
		Mechanics - Physics Simulations I	Mechanics		UNIV-LD	Tutorial	$21.50
		Modern Physics - Physics Simulations III	Modern Physics		UNIV-UD	Tutorial	$24.50
		Molecular Editor	Modern Physics	Molecular Physics	HS	Tool	$30.50
		Problem Solving Interpreter	Mathematical Physics		ALL	Tool	$20.50
		Reed Applications I	General Science		ALL	Tool	$14.00
		Reed Applications II	General Science		ALL	Tool	$14.00
		Scientist's Helper	Mathematical Physics	Data Analysis	UNIV-LD	Tool	$10.00
	Millett Software	The Solar System and Halley's Comet (Requires MSBASIC)	Astronomy		JRH	Tutorial	$27.95
		The Solar System and Halley's Comet (Stand-Alone Version)	Astronomy		JRH	Tutorial	$39.95
	Spectrum Holobyte, Inc.	Orbiter	Mechanics		JRH	Game	$49.95
		Tell Star I	Astronomy		JRH	Demo	$49.95
		Tell Star II	Astronomy		JRH	Demo	$79.95
TRS-80	Cambridge Development Laboratory	Experiment Interface	Physics Lab		HS	Lab	$549.95
	Career Aids, Inc.	Astronomy: Stars for All Seasons	Astronomy		HS	Demo	$59.95
	Dorsett Educational Systems, Inc.	Basic Electricity	Electricity and Magnetism		HS	Tutorial	$59.90
		Industrial Solid State Electronics	Electricity and Magnetism		HS	Tutorial	$59.90

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Computer	Publisher	Title	Major Subject	Minor Subject	Level	Type	Cost
TRS-80	Dorsett Educational Systems, Inc.	Physics	Physics		HS	Tutorial	$59.90
	Educational Images Ltd.	Inference and Prediction	Science	Scientific Method	JRH	Tutorial	$45.00
	Educational Materials & Equipment Co.	Air Pollution	Science		HS	Tutorial	$38.50
		Density/Rutherford Atom	Measurement		JRH	Tutorial	$42.00
		Laws of Motion	Mechanics	Dynamics	HS	Tutorial	$106.00
		Light Waves (Young's Experiment)	Optics	Wave Optics	HS	Demo	$60.00
		Metric System Tutor	Measurement	Units and Dimensions	JRH	Tutorial	$69.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$42.00
	EduSoft	Test It! Test Authoring System	Teacher Utility	Authoring System	ALL	Tool	$49.95
	Focus Media, Inc.	Astronomy Keyword	Astronomy		JRH	Game	$39.00
		Discovering the Scientific Method	Science	Scientific Method	JRH	Tutorial	$49.00
		Energy	Physics		JRH	Tutorial	$69.00
		Introduction to Matter and Energy	Physics		HS	Tutorial	$159.00
		Physical Science Keyword	Physics		JRH	Game	$59.00
	HRM Software	Energy Conversions	Measurement	Units and Dimensions	HS	Tool	$35.00
	Intellectual Software	Graphing is Fun!	Mathematical Physics	Graphing	JRH	Tutorial	$55.00
	J & S Software	Electron Structure	Modern Physics	Atomic Physics	HS	Tutorial	$28.00
	Krell Software Corp.	Advanced Logical Lynx	Science		JRH	Game	$69.95
		Isaac Newton & Full Graphic Newton	Science		JRH	Game	$49.95
		New Super Logical Lynx System Master	Science		HS	Game	$89.95
	Micro LearningWare	Astronomy Package I	Astronomy		JRH	Demo	$45.00
		Science Package I	Physics		HS	Tutorial	$45.00
		Science Package III	Mechanics	Kinematics	HS	Tutorial	$45.00
	Microcomputer Workshops Courseware	Graphing Linear Functions	Mathematical Physics	Graphing	JRH	Tutorial	$29.95
	Microphys Programs	Calorimetry	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Calorimetry Analysis	Thermodynamics	Calorimetry	HS	Tool	$25.00
		Centripetal Force	Mechanics	Circular Motion	HS	Tutorial	$25.00
		Electric Field Analysis	Electricity and Magnetism	Electric Fields	HS	Tutorial	$25.00
		Energy and the Inclined Plane	Mechanics	Dynamics	HS	Tutorial	$25.00
		Faraday's Law	Electricity and Magnetism	Faraday's Law	HS	Tutorial	$25.00
		Gas Law Analysis	Thermodynamics	Kinetic Theory of Gases	HS	Tool	$25.00
		General Gas Law	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Gottlieb's Physics Lab. Exp. Set 1. Mechanics 1	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 2. Mechanics 2	Mechanics	Dynamics	HS	Lab	$100.00

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TRS-80	Microphys Programs	Gottlieb's Physics Lab. Exp. Set 3. Mechanics 3	Mechanics	Dynamics	HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 4. Heat	Thermodynamics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 5. Waves	Optics		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 6. Electricity	Electricity and Magnetism		HS	Lab	$100.00
		Gottlieb's Physics Lab. Exp. Set 7. Modern Topics	Modern Physics		HS	Lab	$100.00
		Heats of Fusion/Vaporization	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Inelastic Collisions	Mechanics	Collisions	HS	Tutorial	$25.00
		Linear Kinematics	Mechanics	Kinematics	HS	Tutorial	$25.00
		Longitudinal Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
		Mirrors and Lenses	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Momentum and Energy	Mechanics	Work	HS	Tutorial	$25.00
		Optics Analysis	Optics	Geometrical Optics	HS	Tool	$25.00
		Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Photoelectric Effect	Modern Physics	Molecular Physics	HS	Tutorial	$25.00
		Projectile Analysis	Mechanics	Projectile Motion	HS	Tool	$25.00
		Projectile Motion	Mechanics	Projectile Motion	HS	Tutorial	$25.00
		Pulley Systems - Machines	Mechanics	Dynamics	HS	Tutorial	$25.00
		Refraction of Light	Optics	Wave Optics	HS	Tutorial	$25.00
		Series Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Series/Parallel Circuit Analysis	Electricity and Magnetism	Electric Circuits	HS	Tutorial	$25.00
		Specific Gas Laws	Thermodynamics	Kinetic Theory of Gases	HS	Tutorial	$25.00
		Specific Heat Capacity	Thermodynamics	Calorimetry	HS	Tutorial	$25.00
		Thermodynamics I	Thermodynamics		HS	Tutorial	$25.00
		Thermodynamics II	Thermodynamics		HS	Tutorial	$25.00
		Total Internal Reflection	Optics	Geometrical Optics	HS	Tutorial	$25.00
		Transverse Standing Waves	Waves	Standing Waves	HS	Tutorial	$25.00
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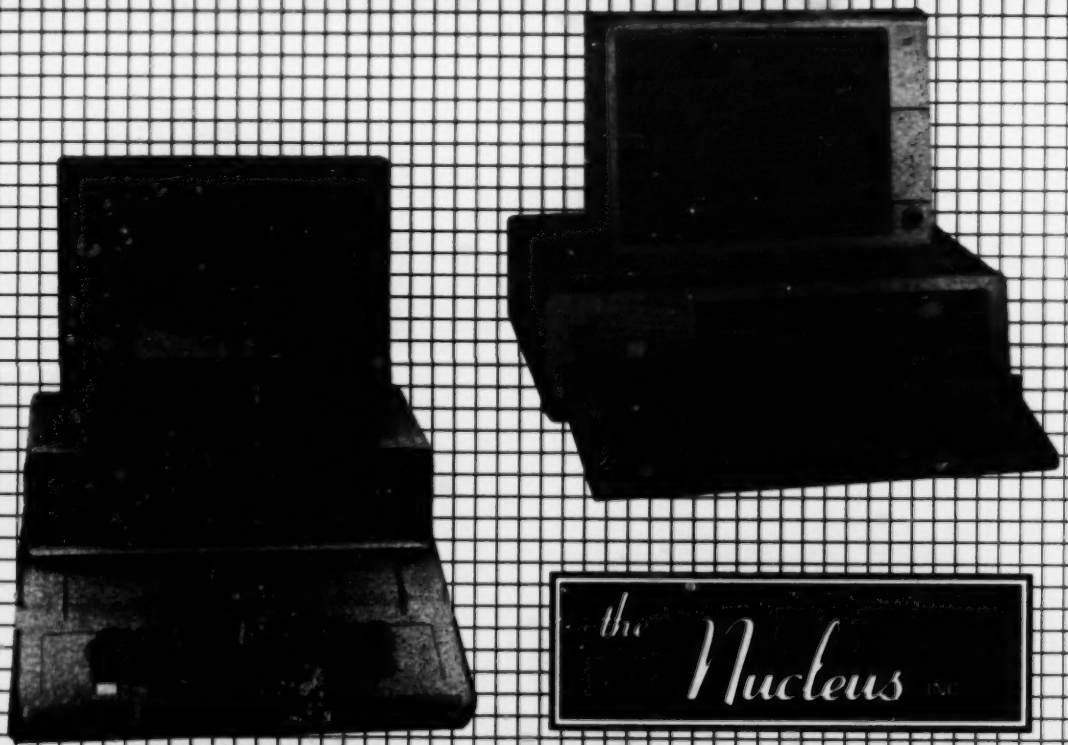

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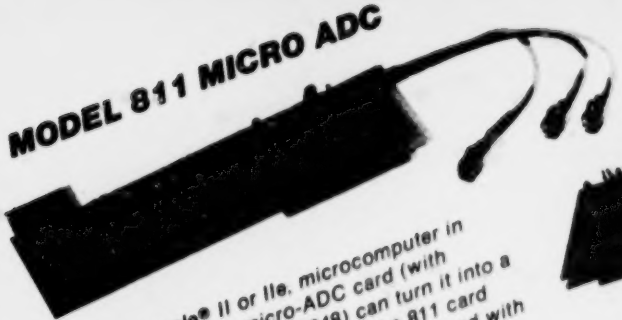

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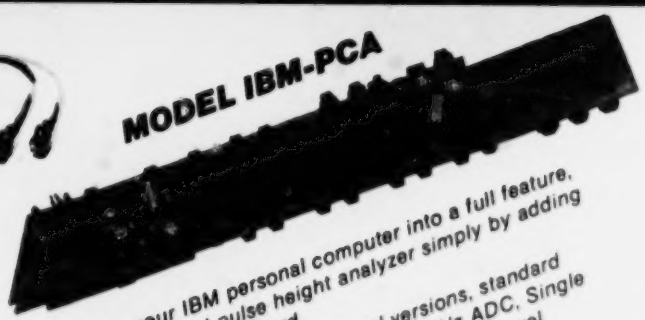

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